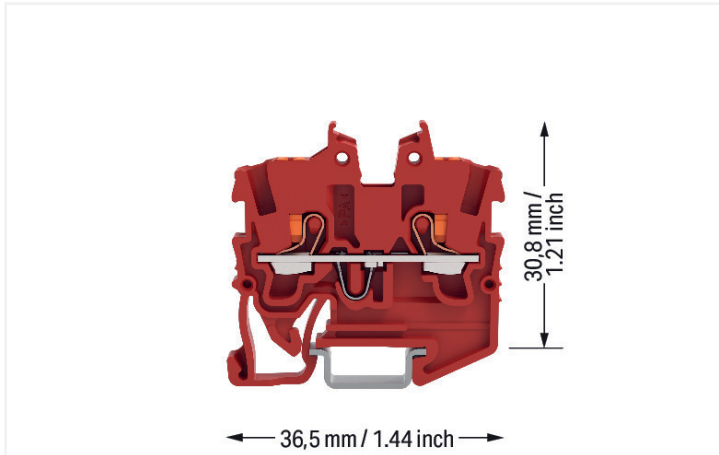


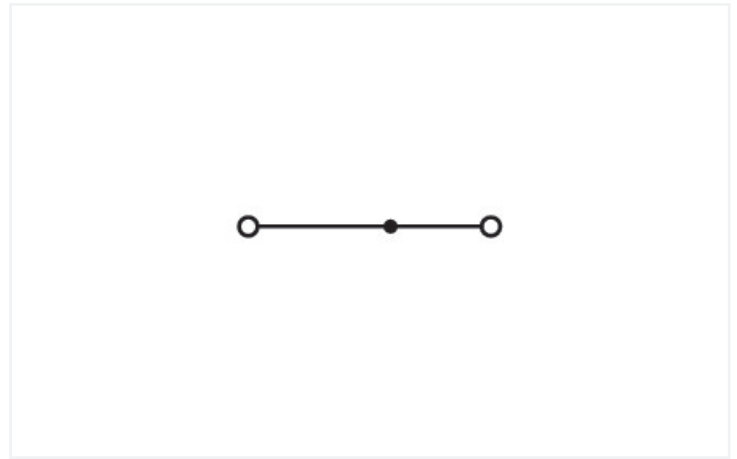
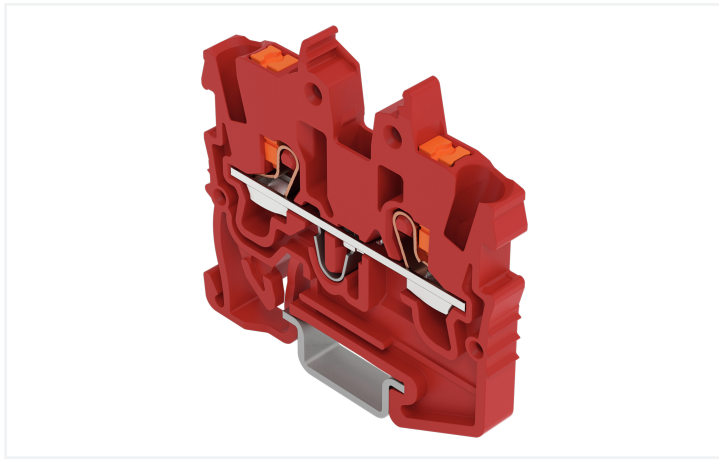
Data Sheet | Item Number: 2250-1203

2-conductor miniature through terminal block; with push-button; 1 mm²; for DIN-15 rail; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm²; red

<https://www.wago.com/2250-1203>



Color: ■ red



Similar to illustration

Through terminal block, 2250 Series, red

Connect conductors quickly and safely with this through terminal block (item number 2250-1203). Ensure that the strip lengths are between 9 and 11 mm when connecting conductors to this through terminal block. Whether in industrial or building applications, our rail-mount through terminal blocks are the perfect solution to quickly and securely connect electrical conductors. Depending on the version, you can use them for either typical through-wiring or potential distribution. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Depending on the conductor type, this through terminal block is suitable for conductor cross sections ranging from 0.14 mm² to 1.5 mm².

A push-button is used to operate this mini rail-mount terminal block. Our TOPJOB® S rail-mount terminal blocks offer more than just secure electrical connections in a range of different industrial applications and modern building installations. They also offer the perfect actuation variant for every application: lever, push-button, or operating slot. This product is designed for specific Ex applications (please refer to the product datasheet).

Electrical data

| Ratings per | IEC/EN 60947-7-1 | | |
|---|------------------|-----|----|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 500 V | - | - |
| Rated impulse withstand voltage | 6 kV | - | - |
| Rated current | 13.5 A | - | - |
| Current at conductor cross-section (max.) mm ² | 17.5 A | - | - |

| Approvals per | UL 1059 | | |
|---------------|---------|-------|---|
| Use group | B | C | D |
| Rated voltage | 300 V | 300 V | - |
| Rated current | 10 A | 10 A | - |

| Approvals per | CSA 22.2 No 158 | | |
|---------------|-----------------|-------|---|
| Use group | B | C | D |
| Rated voltage | 300 V | 300 V | - |
| Rated current | 10 A | 10 A | - |

| Ex information | |
|-------------------------------------|---|
| Reference to hazardous areas | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications" |
| Ratings per | ATEX: PTB 19 ATEX 1019 U / IECEx: PTB 19.0050U (Ex eb IIC Gb) |
| Rated voltage EN (Ex e II) | 352 V |
| Rated current (Ex e II) | 13.5 A |
| Rated current (Ex e II) with jumper | 12 A |

Power Loss

| | |
|--|------------------|
| Rated current I_N for power loss specification | 13.5 A |
| Resistance value for specified, current-dependent power loss | 0.00238 Ω |

General information

| | |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |
|------------------|--------------------|

Connection Data

| | |
|----------------------------|---|
| Clamping units | 2 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Number of jumper slots | 1 |

Connection 1

| | |
|--|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-button |
| Connectable conductor materials | Copper |
| Nominal cross-section | 1 mm ² |
| Solid conductor | 0.14 ... 1.5 mm ² / 24 ... 16 AWG |
| Solid conductor; push-in termination | 0.5 ... 1.5 mm ² / 20 ... 16 AWG |
| Fine-stranded conductor | 0.14 ... 1.5 mm ² / 24 ... 16 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.14 ... 1 mm ² / 24 ... 18 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 0.14 ... 1 mm ² / 24 ... 18 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 1 mm ² / 20 ... 18 AWG |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Strip length | 9 ... 11 mm / 0.35 ... 0.43 inches |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-----------------------------------|------------------------|
| Width | 3.5 mm / 0.138 inches |
| Height | 34.1 mm / 1.343 inches |
| Depth from upper-edge of DIN-rail | 27.9 mm / 1.098 inches |

Mechanical data

| | |
|---------------|---------------------|
| Mounting type | DIN-15 rail |
| Marking level | Center/side marking |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | red |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.066 MJ |
| Weight | 2.4 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| Continuous operating temperature | -60 ... +105 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 100 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4066966309423 |
| Customs tariff number | 85369010000 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39121402 |
| ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

Approvals for marine applications



| Approval | Standard | Certificate Name |
|------------------|----------|------------------|
| DNV DNV GL SE | - | TAE00003JT |

Approvals for hazardous areas




| Approval | Standard | Certificate Name |
|--|-------------|--|
| ATEX Physikalisch Technische Bundesanstalt | EN 60079 | PTB 19 ATEX 1019 U |
| CCC CNEX | GB/T 3836.3 | 2020312313000289 (Ex eb IIC Gb, Ex eb I Mb) |

Approvals for hazardous areas


| | | |
|---|-----------|--------------------|
| IECEX Physikalisch Technische Bundesanstalt | IEC 60079 | IECEX PTB 19.0050U |
| INMETRO TÜV Rheinland do Brasil Ltda. | IEC 60079 | TÜV 22.0014 U |

Downloads

Environmental Product Compliance

| |
|---|
| Compliance Search |
| Environmental Product Compliance 2250-1203  |

CAD/CAE-Data

| |
|---|
| CAD data |
| 2D/3D Models 2250-1203  |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 2050-1291](#)
End and intermediate plate; 1.1 mm thick;
gray

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



[Item No.: 210-111](#)
Steel carrier rail; 15 x 5.5 mm; 1 mm thick;
2 m long; slotted; according to EN 60715;
silver-colored



[Item No.: 210-295](#)
Steel carrier rail; 15 x 5.5 mm; 1 mm thick;
2 m long; unslotted; according to EN
60715; silver-colored

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-241

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-169

Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.3.3 Mounting accessories



Item No.: 249-101

Screwless end stop; 6 mm wide; for WMB markers; gray

1.2.4 Jumper

1.2.4.1 Jumper



Item No.: 2000-406/020-000

Delta jumper; insulated; light gray



Item No.: 2000-410/000-006

Jumper; 10-way; insulated; blue



Item No.: 2000-410

Jumper; 10-way; insulated; light gray



Item No.: 2000-410/000-005

Jumper; 10-way; insulated; red



Item No.: 2000-402/000-006

Jumper; 2-way; insulated; blue



Item No.: 2000-402

Jumper; 2-way; insulated; light gray



Item No.: 2000-402/000-005

Jumper; 2-way; insulated; red



Item No.: 2000-402/000-018

Jumper; 2-way; insulated; yellow-green



Item No.: 2000-403/000-006

Jumper; 3-way; insulated; blue



Item No.: 2000-403

Jumper; 3-way; insulated; light gray



Item No.: 2000-403/000-005

Jumper; 3-way; insulated; red



Item No.: 2000-404/000-006

Jumper; 4-way; insulated; blue



Item No.: 2000-404

Jumper; 4-way; insulated; light gray



Item No.: 2000-404/000-005

Jumper; 4-way; insulated; red



Item No.: 2000-405/000-006



























Jumper; 5-way; insulated; blue



Item No.: 2000-405


Jumper; 5-way; insulated; light gray

1.2.4.1 Jumper











| | | | |
|---|---|--|---|
|  Item No.: 2000-405/000-005 Jumper; 5-way; insulated; red |  Item No.: 2000-406/000-006 Jumper; 6-way; insulated; blue |  Item No.: 2000-406 Jumper; 6-way; insulated; light gray |  Item No.: 2000-406/000-005 Jumper; 6-way; insulated; red |
|  Item No.: 2000-407/000-006 Jumper; 7-way; insulated; blue |  Item No.: 2000-407 Jumper; 7-way; insulated; light gray |  Item No.: 2000-407/000-005 Jumper; 7-way; insulated; red |  Item No.: 2000-408/000-006 Jumper; 8-way; insulated; blue |
|  Item No.: 2000-408 Jumper; 8-way; insulated; light gray |  Item No.: 2000-408/000-005 Jumper; 8-way; insulated; red |  Item No.: 2000-409/000-006 Jumper; 9-way; insulated; blue |  Item No.: 2000-409 Jumper; 9-way; insulated; light gray |
|  Item No.: 2000-409/000-005 Jumper; 9-way; insulated; red |  Item No.: 2000-440 Jumper; from 1 to 10; insulated; light gray |  Item No.: 2000-433/000-006 Jumper; from 1 to 3; insulated; blue |  Item No.: 2000-433 Jumper; from 1 to 3; insulated; light gray |
|  Item No.: 2000-433/000-005 Jumper; from 1 to 3; insulated; red |  Item No.: 2000-434 Jumper; from 1 to 4; insulated; light gray |  Item No.: 2000-435 Jumper; from 1 to 5; insulated; light gray |  Item No.: 2000-436 Jumper; from 1 to 6; insulated; light gray |
|  Item No.: 2000-437 Jumper; from 1 to 7; insulated; light gray |  Item No.: 2000-438 Jumper; from 1 to 8; insulated; light gray |  Item No.: 2000-439 Jumper; from 1 to 9; insulated; light gray |  Item No.: 2000-405/011-000 Star point jumper; 3-way; insulated; light gray |
|  Item No.: 210-103 Wire commoning chain; insulated; black |  Item No.: 210-123 Wire commoning chain; insulated; blue | | |

1.2.5 Marking

1.2.5.1 Group marker carrier

| |
|--|
|  Item No.: 2009-191 Group marker carrier; gray |
|--|

1.2.5.2 Marker

| | | | |
|--|---|--|---|
|  Item No.: 793-3501 WMB marking card; as card; plain; snap-on type; white |  Item No.: 2009-113/000-006 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue |  Item No.: 2009-113/000-007 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray |  Item No.: 2009-113/000-023 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green |
|  Item No.: 2009-113/000-017 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green |  Item No.: 2009-113/000-012 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange |  Item No.: 2009-113/000-005 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red |  Item No.: 2009-113/000-024 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet |
|  Item No.: 2009-113 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white |  Item No.: 2009-113/000-002 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow | | |

1.2.5.3 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.6 Push-in type wire jumper

1.2.6.1 Jumper



Item No.: 2009-404

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray



Item No.: 2009-406

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray



Item No.: 2009-402

Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

1.2.7 Test and measurement

1.2.7.1 Testing accessories



Item No.: 2009-174

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red



Item No.: 2009-182

Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.8 Tool

1.2.8.1 Operating tool



Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Item No.: 210-648

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

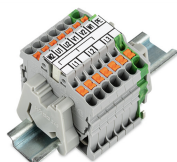


Item No.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Installation



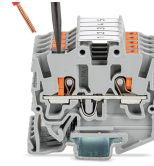
Conductor termination



Insert solid conductors via push-in termination.



Insert ferruled conductors via push-in termination.

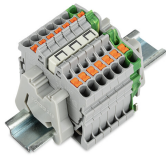


Insert fine-stranded conductors via operating tool.

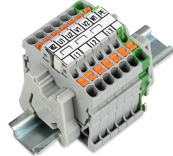


Remove all conductors via operating tool.

Commoning



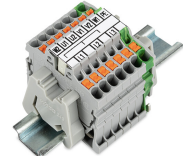
Insert a delta jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (Item No. 2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (delta jumper) (example shows terminal blocks with push-buttons)



Insert a star point jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (Item No. 2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-405/011-000 Delta Jumper) (example shows terminal blocks with push-buttons)

Testing



Testing with a 2 mm Ø 210-136 Test Plug (max. 42 V).

Marking



Snapping a marking strip into the marker slot.



Snapping a marking strip (Item No. 2009-110) into a marker slot.